

PARTS LIST				
Description	Manufacturer #	Amount	Value	Total
5V regulator	LM2576T-5.0/NOPB	1	2.83	2.83
adjustable precision regulators	LM723H/NOPB	2	8.45	16.9
Half H Bridges	BTN7960P	4	6.28	25.12
Digital Compass (From SparkFun.com)	HMC5883L (Triple Axis Magnetometer Breakout)	1	14.95	14.95
GPS Module	ASY-MDEV-GPS-SG-DB	1	38.45	38.45
GPS Antenna	ANT-GPS-SH-SMA	1	20.79	20.79
Switches	7105D	9	2.8	25.2
<i>Resistors (values in ohms)</i>				
10000	CFR-50JB-52-10K	8	0.1	0.8
470	CFR-50JB-52-470R	4	0.1	0.4
1.2	CFR-50JB-52-1R2	2	0.1	0.2
1200	CFR-50JB-52-1K2	2	0.1	0.2
1500	CFR-50JB-52-1K5	3	0.1	0.3
2200	CFR-50JB-52-2K2	5	0.1	0.5
820	CFR-50JB-52-820R	2	0.1	0.2
330	CFR-50JB-52-330R	1	0.1	0.1
3300	CFR-50JB-52-3K3	1	0.1	0.1
220	CFR-50JB-52-220R	1	0.1	0.1
3900	CFR-50JB-52-3K9	1	0.1	0.1
100000 pull down resistors for switches	CFR-50JB-52-100K	8	0.1	0.8
<i>Capacitors</i>				
100pF	FK28C0G1H101J	2	0.29	0.58
100uF	ECE-A0JKA101	1	0.26	0.26
1000uF	ECE-A0JN102U	1	0.8	0.8
22pF	FK28C0G1H220J	2	0.29	0.58
PIC Microprocessor	PIC18F4620-I/P	1	7.94	7.94
Diode 3A 40V	1N5822-E3/54	1	0.11	0.11
Wind Sensor (Anemometer from NRG)	NRG #40C	1	290	290
<i>Inductor</i>				
100uH	22R104C	1	0.59	0.59
Op amp	MCP602-I/P	1	0.62	0.62
Crystal 20MHz	ECS-200-S-4	1	0.81	0.81
PCB	From Advanced Circuits (Student Discount)	1	66	66
All parts and prices from Digi-key unless stated otherwise. All prices are for individual components. If you buy things in bulk you will save money			Total cost of parts and PCB	515.53